

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

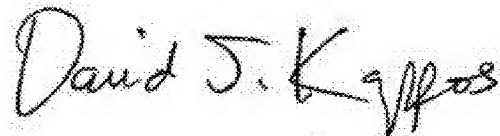
PATENT NO. : 7,452,664 B2
APPLICATION NO. : 09/461580
DATED : November 18, 2008
INVENTOR(S) : Leonard Guarente et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, delete lines 7-9, and replace with --This invention was made with government support under grant number R01 AG011119 awarded by the NIH. The government has certain rights in this invention.--

Signed and Sealed this
Fourteenth Day of June, 2011

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style with a large initial "D" and a stylized "K".

David J. Kappos
Director of the United States Patent and Trademark Office